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FEBRUARY 23rd, 1978 ★ Volume 13, Number 8 ★ *13th Year of Publishing* ★ FIFTY-CENTS

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The Long Island FISHERMAN

The Difference Between Just Fishing and Catching Fish!

VOL. 13, NO. 8 FEBRUARY 23, 1978

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GRAPHITE RODS

About the Cover—

The bass are biting! Maybe down south, but that may be too long a trip. Locally, fishermen are scratching out a few bass from the Lilco hot water effluent at Northport. If your cabin fever has climbed to the boiling point—try it!

Richard Reina — PUBLISHER
Dr. Wm. A. Muller — MANAGING EDITOR
Scott Simons — ASSOCIATE EDITOR
Al Ristori — CONSERVATION EDITOR
Ken Walsh — NATIONAL ADVERTISING DIRECTOR
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Tim Coleman — NEW ENGLAND EDITOR
Rich Reina Jr. — PRODUCTION MANAGER

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★ EDITORIAL ★

Common Sense Permits

It was several years ago that we editorialized about the illogical bureaucracy that was the basis of the Long Island State Park Commission's fisherman permit system.

A well diversified surf fisherman, plying his or her trade from the west end to the east end, could have theoretically required a fist full of passes.

In the past, each pass was applied for individually at the Park in question; thus acquisition of required permits consumed a great deal of time, fuel—and money.

Now, admittedly the LISPC folks would probably shed no tears if the entire permit system were to go the way of the passenger pigeon. Who can blame them since they gain nothing by allowing surf fishermen to roam the parks at night. On the other side of the coin, these folks are public servants and they are pledged to serve the taxpayer. Surf fishermen are, after all, tax-paying citizens. Like it or not, we (surf fishermen) have the right to fish, and so the trustees of the park will structure a system that will allow us to be identified and protected.

We bring up the rights and responsibility angle because, from time to time, some group or another gets a bug to throw us off the beach. Isn't it happening now with the National Seashore plan? The folks at the Long Island State Park Commission offices aren't agin' us—in fact, they have been most helpful and kind over the years—but they sure do suffer some inconvenience and aggravation because we fish the beaches.

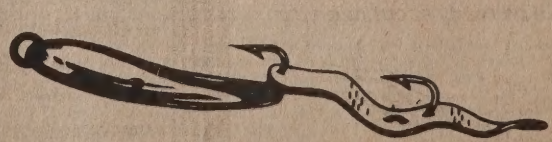
That is not to say that surf fishermen create problems. We think that LISPC officials would be the first to say that the relationship of the Commission and permit-holding fishermen has been overwhelmingly successful and pleasant. Still, when a facility is opened, it allows non-permit-holders to mingle with us. Reason and logic suggests that if one drives to Jones Beach at 2 AM without the intention of fishing, that there is very little else to do there—that's legal! Vandalism, theft, and occasional assaults have occurred. Who are the victims? Now, let's see—who's on the beach? There are sea gulls, mosquitoes, rats, terns, gnats, State Police, and surf fishermen. You guessed it—we are the victims!

This is, or should be, proof and justification for a permit and enforcement system. The right to fish and to do it safely!

Well, as is usually the case, we've rambled and stumbled along and we haven't made our real point yet. Nonetheless, the rambling has its place, since it is often very easy to forget about how other folks see and therefore, understand the situation. When steps are taken that substantially improve access for surf fishermen, simplify the permit system, and save time and money for surf fishermen, we can't help but be impressed!

In case you are not yet aware of what has happened, you may now obtain one pass, at any LISPC office, that will permit you night fishing access to Long Island State parks. One pass for the many, instead of one pass for each park!

Hurrah! Our hats are off to the Long Island State Park Commission. Congratulations folks, for the inauguration of a common sense permit system. Oh yes, beach fishermen—the permit is free of charge!



CHUM LINES

WHERE TO BUY INSULATED MECHANICS SUITS

In answer to many inquiries about Chum Lines which appeared in Issue #5 about winter clothing, we can offer the following information.

SEARS ROEBUCK CO., Hicksville Catalog Store: Foam Insulated—$34.97 and Quilted—$39.97.

MONTGOMERY WARDS: Dacron $29.89; with hood—$34.95; waterproof—$42.95.

I THINK THAT YOU GOOFED?

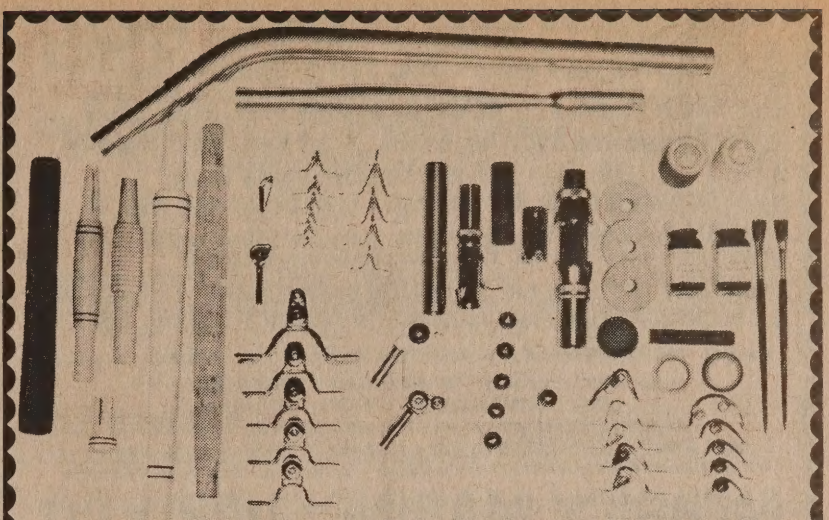
In Issue #4, you described a way of weighting the butt in a discussion of rod building. I think that you will find that by plugging the butt with a piece of wood you are leaving the door open to some serious problems. Wood swells when it comes in contact with water and it is thus very possible that the butt could literally explode from the inside pressure of the expanding wood. I have weighted the butt by wedging pieces of lead between slabs of rubber and it has worked well for me. **J. Maulder, Seaford, N.Y.**

We try, but sometimes we goof because we are human. You have caught us in error, but it was a sin of oversight—not really commission. We took for granted that our readers would understand that the butt should be sealed with epoxy of waterproof adhesive and protective covering. That was an inappropriate assumption. We finish our rods by gluing a rubber stopper inside the butt. These stoppers are commonly used to seal test tubes. Then we epoxy over the depression in the butt that is left after we force the stopper up into the butt. We have never had a butt explode. There are other ways to weight a butt and perhaps somebody out there would like to write a how-to article for next winter on the various ways to do it, including the pros and cons of each method.

MORE L.I.F. BOOKS?

I enjoyed reading your books, "Fishing for Flounder" and weakfish and Scott Simons' book on fluke. I would like to know if more books like this are coming out, like fishing for blacks and cod and blues? **Bill Caramico, Bayside, N.Y.**

Your inquiry is timely. We plan two books for this year: cod and blackfish. They should be ready about mid-year.



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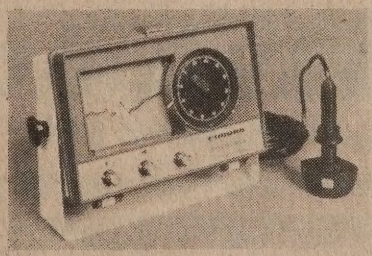

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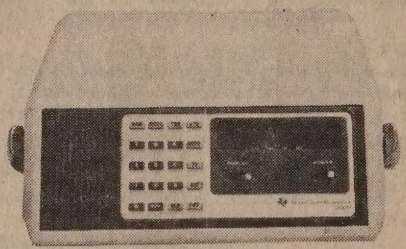

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Pass It On...

SNOW CAUSES RE-SCHEDULE

Due to the snowstorm, classes for Flotilla 13-4 Salt Water Fishing and Safety courses have been re-scheduled.

***Mar 2.—"Mr. Striper"—Long Island's Best.**

Lecturer: **Ron Lepper**, Captain of the "Kim"; South ShoreFishing Expert; popular lecturer.

Subject: When & Where to fish; special sea-crets, how to rig-up, when, wire, tackle, tide and time of day. Lure placement. Demo.

***Mar. 9—Blues and ...**

Lecturer: Oscar Amoroso—Open Boat and Charter Skipper N.Y. and Gloucester Expert Fisherman, fluke, blues, tuna and shark.

Subject: How to rig-up and catch blues with all types of bait. Special spots and tricks of "Hot-Short" for blues, tuna and fluke.

***Mar. 16—Practical Knot Tying—First for the Fisherman.**

Lecturer: V. Commander Kofler.

Subject: **A.** How to tie: hook line and sinker, leads and lure, practical easy steps.

B. How to Fish and Boat Safely with special emphasis to the most common accidents fishermen related. Demo.

***Re-schedule date for Chet Zawacki will be announced.**

Lecturer: CHET ZAWACKI—Associate Aquatic Biologist at Stony Brook Univ.; Sports Fisherman, expert Aqua Lung Photographer.

Subject: All about fish, identifications, **natural** baits, basic techniques, rigs, the ABC's of L.I. fishing. Hook and line match-ups. Color slides.

For Pre-Registration or for information, call: Marty Topal, 516-374-1991.

FLOTILLA 12-3 BOATING COURSES START MARCH 1

Two boating courses will be given by the United States Coast Guard Auxiliary starting on Wednesday evening, March 1, 8 PM at the Glen Cove High School. A 12-session basic safe boating course is being offered to adults and a 4-session course will be given for youngsters between the ages of 10 and 15.

The adult course will cover use of the mariner's compass, rules of the road, course plotting, basic seamanship and safe boating practices. The youngster's course will prepare students for the issuance of a New York State Boating-Safety Certificate which enables them to legally operate a motorboat on the State's waterways. Both courses are free and will be conducted by instructors of Flotilla 12-3 of the Coast Guard Auxiliary.

Further information may be obtained by calling Public Education Officer Arthur Leuck at OR 1-8287.

CLUB NEWS

ATTENTION!! FISHING CLUBS, COAST GUARD AUXILIARY & ORGANIZATIONS

The Long Island Fisherman wants very much to help you publicize your activities. We perform this service on the basis of available space and time limitations. At times, we have been unable to print some news and public affairs information because we receive it too late for timely publication. We ask that you help us to serve you by sending your requests to us at least three [3[weeks in advance of the date on which they will occur. Sufficient lead-time will make it possible for us to give your request every reasonable consideration. Thank you!

FARRAGUT STRIPER CLUB GUEST SPEAKER

The monthly meeting of the Farragut Striper Club on Wednesday, February 22, 1978 will take place at 8 PM at the St. Therese K of C, Valley Stream, N.Y.

The featured guest at this meeting will be "The Surfcaster" of Darien, Connecticut—Bill Preinsberger. Bill will give a talk and demonstration of his wide array of fishing tackle and equipment. This will be a good opportunity to restock your tackle box and beach buggy.

It's an open meeting, so come on down.

TOURNAMENT ANGLERS ANNUAL AWARDS

Albacore—True:
56 lbs. - Harold Erdrick.
Blue Shark:
134 lbs. - Ed Radvanski.
Bluefish:
17 lbs. 8 oz. - Rocco Vignola.
Bluefin Tuna—Trolled:
225 lbs. - Joe Masone.
Bluefin Tuna—Chummed:
750 lbs. - Al Griswold.
Bonito:
8 lbs. - Richard Federoff.
Cod:
48 lbs. 8 oz. - Rocco Vignola.
Dolphin:
14 lbs. 8 oz. - Richard Federoff.
Mako:
161 lbs. - Harold Erdrick.
Pollock:
30 lbs. 8 oz. - Rocco Vignola.
Skipjack:
11 lbs. 12 oz. - Dick Yarkin.
Tiger Shark:
243 lbs. - Joe Masone.
Tilefish:
41 lbs. - Joe Masone.
White Marlin:
58 lbs. 8 oz. - Joe Masone.
Weakfish:
8 lbs. 12 oz. - Mike Lupia.
Yellowfin Tuna:
77 lbs. - Joe Masone.

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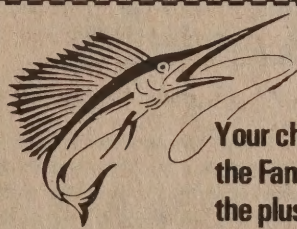

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SNOW CAUSED RESCHEDULE FOR GATEWAY STRIPER CLUB

Due to the recent snowstorms, the "Surfcaster" was not able to attend the February meeting. He has been rescheduled for our March 9 meeting. This will be an open meeting and all are welcome to see his demonstration and see what the Gateway Striper Club has to offer its members. The meeting place has been changed to Building 168 in Fort Tilden. Time: 8:00 p.m.

For more information, contact John Ohle, 235-5336 or Dave Williams 853-1772.

SOUTH SHORE MARLIN & TUNA CLUB ANNUAL AWARDS

NEW RECORDS—LOCAL WATERS

True Albacore—V. Rivas, 42-8
Tuna Chum—M. Curreri, 762-0
Weakfish—P. Schmid, 14-0

NEW RECORDS—OTHER WATERS

Blue Marlin—J. Windels, III, 503

ANNUAL CLUB PRIZES

Albacore—V. Rivas, 42-8
Albacore (false)—S. Palacino, 16-2
Bluefish-1st—W. Eydeler, 15-0
2nd—C. Behringer, 14-9
3rd—C. Peppard, 14-0
Bonito—C. McLaughlin, 12-2
Codfish-1st—J. Laznovsky, 33-8
2nd—W. Kreskowski, 24-14
Dolphin-1st—S. Gallo, 21-8
2nd—V. Rivas, 19-0
S. Palacino, 19-0
Flounder-1st—C. Broglie, 2-6
2nd—A. Kopf, 2-4
3rd—C. Peppard, 2-1
Fluke-1st—R. Lafferty, 4-0
2nd—J. Bauman, 3-15
3rd—C. Behringer, 3-8
Tuna, giant—M. Curreri, 762
Tuna, Giant—R. Marone, 705
Tuna, Troll—M. Ferrigno, 60
Tuna, Troll—P. Rhein, 31-1
Tuna, Troll—J. Laznovsky, 31-0
Weakfish-1st—P. Schmid, 14-0
Weakfish-2nd—R. Lafferty, 13-6
Weakfish-3rd—C. Peppard, 12-8
White Marlin—M. Curreri, 50-8

STRIPED BASS:
1st—W. McDonald, 42-0
2nd—D. Ghegan, 35-13
3rd—C. Behringer, 30-0

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Albacore—M. Ferigno, 42-8
Albacore, false—C. McLaughlin, 14-12
Bluefish—J. Broglie, 14-3
Bonito—M. Antolini, 8-10
Dolphin—M. Ferrigno, Jr., 16-8
Flounder—R. Donaldson, Jr., 2-0
Fluke—S. Sideris, 4-0
Striped Bass—B. Behringer, 35-9
Tuna, troll—C. Palacino, 38-12
Weakfish—C. Schmid, 10-2
Exceptional Catch (Blue Marlin)—J. Windels, III, 503.

FREEPORT TUNA CLUB AWARDS

Walter F. O'Malley Trophy—Patricia Kuhnle, 884 lb. tuna. 9-25-77, Prince Edward Is. 80 lb. test line.

Frederick W. Hollander Memorial Trophy—Gordon J. Rynders. 106.7 lb. Sailfish. 3-18-77. Mexico. 50 lb. test line.

Jack R. Neidorf Trophy—Ed Schuh. 34 lb. bluefin tuna. 8-20 34 lb. bluefin tuna. 8-20-77.

Jack Bode Ladies' Trophy—Patricia Kuhnle. 884 tuna. 9-25-77.

Henry Von Elm, Inc. Trophy—Ed Keneske. 807 lb. bluefin tuna. U.S.A.T.T. Rules.

John J. Miles Trophy—Ed Schroeder. 807 lb. bluefin tuna. U.S.A.T.T.

Woodcleft Marine Base, Inc. Trophy—Ronnie DeLuca. 427 lb. Dusky Shark on 80 lb. test line.

Harry Berns Memorial Trophy—Bob Porter. 6 tuna. 9-8-77

George Beitterick Memorial Trophy—Stanley Szczerbaty. 21 lb. bluefish. 17 Fathoms.

Marsden B. Candler Trophy—Joan Porter. 44 lb. 3 oz. striped bass.

Guy Lombardo Trophy—Sid Stein. 44 lb. 8 oz. Tuna. 9-22-77

Ada Berlin Memorial Trophy—Ronnie DeLuca. 427 lb. dusky shark. 7-26-77. 80 lb. test line.

John Shiel Spinning Tackle Trophy—Ronald Benincasa. 7 lb. 1 oz. Weakfish on 10 lb. test line.

Marine Center, Inc. Trophy—Ronnie DeLuca. 73 lb. white marlin. 9-5-77. Montauk Point.

Mako Marine, Inc. Trophy—Robert Porter. 68 lb. mako. 8-20-77.

Jack Bode Ladies' Memorial Trophy—Patricia Kuhnle. 884 lb. bluefin tuna. Prince Edward Island. 9-25-77.

Eleanor Kuhnle Memorial Trophy—Patricia Kuhnle. 884 lb. bluefin tuna. Prince Edward Island. 9-25-77.

Freeport Marine Trophy—Bob Porter "Shark" 483 lbs. 8 oz. Mako Shark. 8-6-77

Club Trophies

Largest Tuna: Sid Stein, 44 lbs. 8 oz. 9/22/77.

Largest Bluefish: Sid Stein, 16 lbs. 12 oz. 10/30/77.

Largest Striped Bass: Bob Porter, 44 lbs. 3 oz. 8/21/77.

Member:

Largest Fluke—Bob Telzrow, 11 lb. 4 oz. 9/5/77.

Largest Codfish—Bill Yenna, 28 lb. 8 oz. 11/20/77.

Largest Weakfish—John Bassett, 9 lb. 4 oz. 10/2/77.

The new officers for this year are: **President:** Dr. Sam Klein; **1st Vice President:** Norbert Schlichtig; **2nd Vice President:** James Traynor; **Treasurer:** Herb Botwin, and **Secretary** John "Doc" Creamer.

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FISH TALK with Dr. William A. Muller

YELLOWTAIL FLOUNDER
Limanda ferruginea

YELLOWTAIL FLOUNDER, also called the "Rusty flounder," has traditionally been an important commercial finfish in the North Atlantic Ocean. Apparently overfishing by foreign nationals seriously depleted the stocks of this species during the 1960s. However, under the 200-mile fishing jurisdictional legislation, the New England Fisheries Management Council has developed a management plan that they hope will help to rebuild the stocks over the next decade.

RIGHT-HANDED FLATFISH. That is, the eyes are on the right side of the fish as we would look down on it naturally resting on the bottom. Although it has a rather small mouth like the blackback or winter flounder, it can be distinguished from our popular inshore flounder by the fact that the snout is more pointed, the body is thinner, and there are about five (5) reddish spots that run from the head towards the tail along the margin of the body and dorsal-ventral fins.

RATHER WIDE FLATFISH. The yellowtail is an oval fish and has the same approximate body proportions as some of the oval variation blackback flounders that we catch on the east end in the spring. The body is about one-half as wide as it is long. It should also be noted that the eyes of the yellowtail are much closer together than either the blackback flounder or the fluke.

COLORATION. The color pattern of the yellowtail is very consistent from individual to individual. The top side is brownish with strong dark olive tones. The marginal red spots are clear giveaways and tinges of red are also characteristic of the species. The caudal fin, or tail, is yellow and margins of the long body fins are also yellow. The underside, or ventral side, is white. However, where the underside and tail fuse, the skin is also yellow.

SIZE. Scientists and commercial fishermen call this flatfish a medium-size representative of the tribe. Most fish weigh several pounds and from time to time, larger specimens are taken. There exists sexual dimorphism; i.e., there is a difference in size between the males and the females. The females tend to average several inches larger than the males and the females also are known to reach a larger total size.

THEY ARE WHERE YOU FIND THEM. Although yellowtail flounder are caught from time to time in shallow water, most are taken commercially in water that ranges in depth from ten to forty fathoms. Some good catches are also made in water up to fifty fathoms and in water as shallow as five to seven fathoms. Like most flatfish, the yellowtail does not inhabit rocky bottoms. Instead, they prefer sand or sand mixed with mud. From a standpoint of habitat, that puts the yellowtail in-between the blackback which prefers mud, and the fluke which is most often found over sandy substrates.

THE MENU! This species is an omnivore. That is, it will eat almost anything that is small enough to be swallowed. The mainstay of the diet, however, are small crustaceans such as amphipods, shrimp, young bivalves (shellfish), and worms. This flounder will chase small finfish across the bottom, but only when this bait is abundant enough to make their capture easy. Otherwise they are very sluggish and cannot effectively catch swimming baits.

SPAWNING. The spawning behavior of the species gives us a good clue about the usual abundance of the species. Spawning begins sometime in March and may last throughout the summer, finally ending in early September. It is believed that the females will spawn again and again during the breeding season. Apparently the spawning area is not restricted either. Ripe females and young fry have been reported from the Gulf of St. Lawrence to New Jersey. The eggs are buoyant and are transparent. The eggs do not contain an oil mass. It takes about five days, at a temperature of about fifty degrees Fahrenheit for the eggs to hatch. When the larvae finally take the shape of the adult, they are about fourteen millimeters long and this is about twice the size of the blackback when it begins to resemble the adults.

MOVEMENTS. The yellowtail flounder does not migrate very much according to all observations and studies. It is a slow-moving fish, and the sluggish behavior is not conducive to long migration. However, the fish does move from the inshore waters, where it is common in winter, to deeper water during the summer. The species can handle temperature fluctuations from the low thirties to the mid and upper fifties.

GROWTH. The yellowtail flounder is not the fastest growing fish that we could describe. If we were to trace the growth of a fish that was hatched in early **March**, we would find that it would reach a size of about two to four inches in April; four or five inches in June, and five or six inches by the end of its first year. The weight and size of adults varies quite a bit. An eighteen-inch fish, for example, may weigh as little as one-and-a-half pounds or as much as two-and-a-quarter pounds.

RANGE: The yellowtail flounder is a fish of the Continental Shelf. It has been found from the Gulf of St. Lawrence to the lower end of the Chesapeake Bay. However, it is most plentiful from Georges Bank south into New England waters. Thus, there appears to be limits of temperature and depth which restrict its range. If one were to encounter them far off the coastline, it would be in the vicinity of a shoal area.

NEW ENGLAND FISHERIES MANAGEMENT COUNCIL PLAN. It is important to note that the following regulations do not pertain to sportsmen heading out to catch a few yellowtail by hook and line. Instead, the catch quotas refer to commercial landings. It has been recommended that the landings of yellowtail flounder from the Georges Bank east of 69° W. Longitude be limited to 10,000 metric tons and for the area west of that point, 4,000 metric tons. This allocation is distributed quarterly so as to prevent the closure of the fishery prematurely. There are **no** quotas designated for foreign nationals within our fishing jurisdictional limit. It is hoped that by restricting the U.S. commercial landings and prohibiting foreign landings that we can provide the proper circumstances for the rejuvenation of this fish stock.

YELLOWTAIL FLOUNDER CLOSE TO HOME. Our local hook and line winter fisherman may be surprised to learn that yellowtail flounder are more readily available than the above description would indicate. For those who have taken this species regularly they are not surprised at all. We have had reports of yellowtail in the ocean off Moriches, Shinnecock, and Fire Island Inlets. We have even heard of a few fellas that have the knack of taking the species in the surf—especially Democrat Point. I must confess that I have never caught a yellowtail flounder in our waters and thus, all of these reports are second-hand. Still, I remember watching Doc Grell shake his head positively up and down when I once asked him about the occurrence of yellowtails in our winter ocean. Were you putting me on, Doc? Do yellowtail flounders occasionally win spring contests? Techniques should be very similar to those used when we search out the blackbacks. Small hooks, attractive soft baits, and as little hardware as possible.

GIVE IT A TRY. Now if I were a guy who wanted to catch local yellowtails and I didn't want to do it from a party boat, what would I do? Wait a few years until the stocks are better and then ask around. Okay—let's put the cart before the horse and ask now if anybody knows the whens, wheres, and how's of catching yellowtail flounder. How about it—any pros out there?

NATIONAL SCENE

NEWS & NOTES ON THE WORLD OF FISHING
with Al Ristori

Perhaps the most difficult question scientists in the New York/New Jersey area have had to grapple with in recent years was the 1976 summer fish kill off the Jersey coast. When the kill first was documented, there was a rush to blame it on sewage sludge dumping. Now there is general agreement that the basic causes were natural—though some scientists still feel that the dumping exaggerated the problem.

That ocean dumping is a serious matter is beyond dispute. In recent years, over 200,000 metric tons per year of sewage sludge have been dumped into waters off U. S. coasts. The most serious problem is in the mid-Atlantic, where over 1.9 billion cubic yards were dumped into New York/New Jersey waters between 1890 and 1971. This represents more than fifty times the amount of material removed during construction of the Panama Canal, and would have been enough to cover the island of Manhattan with a layer of waste solids more than sixty-five feet high!

The House Merchant Marine and Fisheries Committee has held extensive hearings on the fish kill problem since it occurred. The bulk of evidence at this point seems to indicate that a massive algae bloom was almost totally responsible for the poor tuna and bluefishing off Long Island. Dave Wallace, formerly Chief of New York's Marine District and now Associate Administrator for Marine Resources of NOAA, testified that, "It is evident from all information available that the dumping of sewage sludge at the existing site had a negligible effect in causing either the wash-up of floatables on Long Island's south shore beaches or the fish kill off the coast of New Jersey." Furthermore, John Rhett, Deputy Assistant Administrator for Water Program Operations, EPA, stated that the algae bloom which triggered the fish kill "would have occurred anyway" even if there had been no sludge dumping.

The root cause of the fish kill appears to have been a massive bloom of algae which developed along the outer part of the Continental Shelf during the mild winter of early 1976. Southwesterly winds moved offshore waters toward the Jersey coast where the algae consumed oxygen during its respiratory process. More oxygen was consumed after the algae died and decomposed. As this situation proceeded, deep waters along the mid-Atlantic shelf became oxygen depleted, while surface waters remained oxygen-rich. Normally, these waters would intermix and anoxic conditions would quickly abate. However, unseasonably high surface water temperatures and a lack of storms resulted in a thermocline developing, blocking the mixing of waters. This unusual set of circumstances was further fueled by persistent southerly winds that brought these waters toward normally prolific near-shore areas. Creatures unable to leave the affected areas quickly (such as lobsters, surf clams and some wreck inhabitants) died, while bluefish and tuna appeared to remain south of the fish kill area and fluke were driven into inlets and beaches, where catches were so heavy that biologists predicted (correctly, as it turned out) that it would affect last summer's fishing.

An interesting sidelight to this situation is provided in the paper recently issued by Bruce Freeman and Stephen Turner of National Marine Fisheries Service. While bluefish weren't killed by the oxygen depletion, it appears certain that their migratory patterns were changed. The middle-shelf contingent of bluefish that supports the Jersey and western Long Island fishery was stalled by the dead sea and actually turned around and went south. More about this in another column.

Essentially, the "dead sea" area resembled a lake in summer. Below the thermocline there was insufficient oxygen, and fish were forced to move into oxygen rich areas. Perhaps we should have followed our freshwater counterparts and started using oxygen indicators in salt water. One of the reasons that the fish kill was first blamed on sewage is the fact that algae must feed on nutrients such as nitrogen and phosphorous in order to thrive. Such nutrients are available naturally, but man introduces even more into the marine environment from sources such as sewage sludge and ocean outfalls. It's quite possible that this additional discharge of nutrients (estimated to be less than one-quarter of all nutrients present) could have contributed to the severity of the fish kill. However, algae blooms have occurred naturally before (1882, 1899, and 1966) and are also common in relatively pristine waters in other parts of the world.

One interesting theory relative to this algae bloom was advanced by Dr. John F. Walsh, Director of the Oceanographic Sciences Division of Brookhaven National Laboratory. Dr. Walsh noted that menhaden (bunkers), a type of fish known to eat algae, were largely absent from the affected area in 1976. He feels that if there were a large crop of bunkers present, the bloom would have been quickly cropped. A similar situation occurred in Peru during 1976. Few anchoveta were present in coastal waters and a large algae bloom occurred.

One thing that everyone agrees on is that ocean dumping is an abomination. Everyone wants it stopped and, indeed, the EPA has ruled that it must end by 1981. The only question now is whether to permit continued dumping at the twelve mile site, or shift it to the chemical dump site—100 miles offshore. About this, there is no agreement among scientists and state officials. New York and the Federal Government want to keep the twelve mile site and New Jersey officially favors moving it to the chemical dump site. Unfortunately, the only alternative in these two choices is where to create the damage: at the same devastated area inshore, or at a new spot offshore.

Though the idea of moving the site far offshore was initially attractive, there are now serious objections to that move. Most importantly, little research has been done to determine where the sludge will end up or what effect it will have along the edge of the Continental Shelf, an important wintering area for many of our sport and commercial species. In addition, the relative lack of bacterial action in the great depths at 100 miles could mean that the sludge will prove more devastating there than inshore.

Congressman Edwin Forsythe (R-NJ), ranking Republican on the House Fisheries, Wildlife and Environment Subcommittee, has studied the problem intensively and proposed a different solution. He has introduced legislation which would leave the dump site at twelve miles until the 1981 cut-off date, but try to speed up disposal on land by making it unprofitable to dump at sea. Presently, this is the cheapest thing for municipalities to do, and there is no incentive for them to change. All they need is a permit to make the sea a

(Continued on page 28.)

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Sinker Bouncing

with Matt Ahern

How to Keep a Fishing Record

There isn't one aid pertaining to fishing that will help fill your bucket as easily as faithfully-kept fishing records. Whether it's called a log, diary, or journal, some form of record keeping is a must for the sinker bouncer who wishes to excel at his sport. Therefore, if you haven't thought about recording your fishing trips, time is of the essence. The sooner you start, the sooner will your catches increase.

Record keeping is not new. Many anglers of my acquaintance admit they keep a fishing journal and have been doing so for years. Crackerjack striper fishermen are almost certain to have record books squirreled away. My records go back over fifty years (phew!) and I know exactly how many cod, ling, whiting, or what-have-you I caught on certain winter days in the late twenties. I can also tell you about the fluke, flounder, sea bass, and porgies I caught each summer since then. I can tell you where the fishing was done, from what party boat, the tide on any given day, those weather conditions that prevailed, what bait was used, what the fish were feeding on, their weights, any odd happenings, etc.

Before you call in the guys with the net, let me say that one notation that was doubtfully entered along with this vast information has enabled me to work out a system that has won me quite a few codfish pools over the years.

I'll tell you right now that record keeping isn't for the faint of heart. If you feel your interest will fade, don't waste your time—record keeping isn't for you. It is for the fisherman who will faithfully record his day's activities, and who believes his efforts will not be in vain. Record keeping is no immediate "Open, Sesame" deal; for it is only after you have several entries that you can judge their relative merits. Often, you will find what you thought was necessary to enter, really wasn't, but some observation you hesitated to include has proven to be extremely valuable. To be on the safe side, put down whatever you believe is important. You'll soon develop a sixth sense. And put it down as soon as possible. Don't rely on memory.

It isn't necessary to be a professional writer, or to use precise grammar. You should see some of my entries! It doesn't matter one damn bit. What matters is that in years to come you can easily recall what went on.

It's also a good idea to make your own interpretations of why fishing was good, bad, or indifferent. They may be correct, they may not—but those notations will prove you're working at the game and using the old noggin. You'll certainly be a better fisherman for it. And eventually you'll be surprised at how many times you were right!

Let me warn you of a pitfall. You've got to be sure your entries are accurate and truthful. Be serious about your record keeping. Don't kid: especially, don't kid yourself! If you caught fewer fish than you expected last time out, don't salve your conscience by adding to the catch. The egotistical fishermen get nowhere.

If you caught but six flounder that last time and had every reason to expect more, comment on it if you wish, but don't add ten more to satisfy the inner man. Your records may eventually tell you why you caught only six flounder, but they will say nothing about those mythical ten. You may believe you'll remember when you bent the truth—but you won't. Memory is a notorious traitor.

All my record books are ordinary school composition books, available for less than a buck. The paper is exceptionally good, which allows for much heavy-handed pawings. You can also use loose-leaf folders. The advantage here is that you can insert corrected copy. The choice is yours; either will do a satisfactory job.

I have selected at random one of my many cod entries to give you an idea of how to go about it. You can use any method you wish, however.

December 1, 1963—Sunday

On the Survivor II. Took seven cod, one small pollock, four ling, and one whiting. Fished Cholera and the Steel Wreck. Dogfish on Cholera. Caught pollock with strip of whiting on Steel Wreck. Fishing best here. Cold day: strong wind out of west. Also, strong tide on this full moon. Yesterday: light snow in morning and strong west wind. Had 43 nice cod on boat for nine fishermen today. (Had 107 yesterday for 30 fishermen.) Snow flurries on change of tide. Two cod small. FISH: Cod...4 to 11 pounds—7; Pollock...3 pounds—1; Ling...1 to 3 pounds—4; Whiting...½ pound—1.

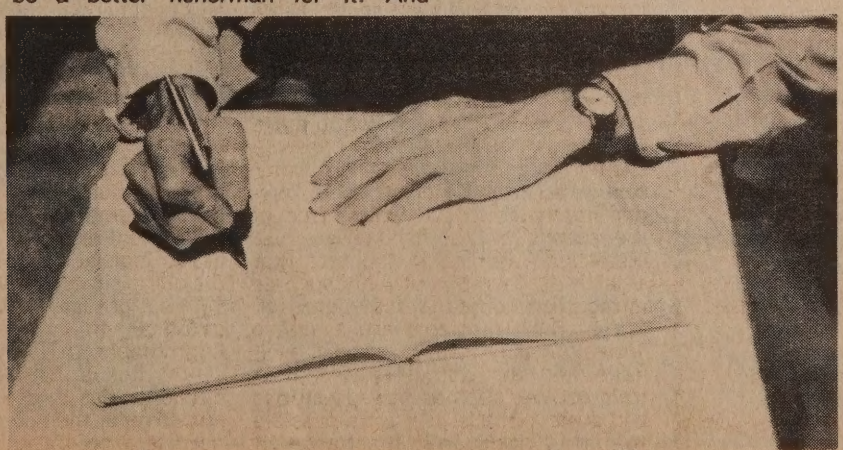
Weather: Intermittent snow flurries. Wind had tendency to moderate on outgoing tide."

Notice the reference to the previous day's weather and tidal notations. Fishing was excellent that day and then fell off markedly, but still could be considered fair. With such firsthand information going for you, coupled with results of similar conditions, the fisherman can work out a pattern and by so doing, avoid many of the slower days. This alone is reason enough to keep a record of all your trips. I haven't got the space right now to dissect that particular day's events, but with a little study, much can be learned.

At the end of the year, total your catch and enter it. Then, and only then, can you know exactly if your fishing has improved.

This is the last of eight "how-to" articles for the winter season. All have been written to help you increase your fishing enjoyment. We have a brand-new fishing year ahead and it is my sincere hope that these articles will help put more fish in your bucket. I believe they'll do that if you carefully follow their suggestions.

It's all up to you.



Take pains with your record keeping—it will pay off!

Surf Side with John Fritz

HOLSTER THAT GAFF!

The intended target for that sharply-honed gaff is the fish you are attempting to land, not—as is frequently the case—those delicate waders which we try to baby from one season to the next. All too often, the gaff is knocked loose from its belt holder, allowing the needle-like point to swing dangerously close to your legs. The peril is obvious: if not the leg, then possibly a small pinprick in the thin waterproof skin protecting your legs, permitting the cold water entry, and thereby adding to any discomfort previously experienced.

Many gadgets can be fashioned to secure the gaff to your body. It is essential to be able to disengage and replace the gaff safely in its holder with one hand.

A hard-working surfman friend solved my difficulty with this problem one winter evening a few years back. While discussing my dilemma with Don Lauridia, he gave me a list of materials that I should obtain. When the materials were all gathered, we got together and in a surprisingly short period of time, I was the proud owner of a sheath for my gaff which has eliminated any fumbling in the dark while trying to control a fish.

The most important article needed is two pieces of three-eighths inches thick plexiglass large enough to cover the gaff head completely with an inch surplus all around. The reason for the excess will be explained later.

The next most important item is a few inches of thick-walled rubber hose. This hose has to be made of soft rubber with the inside diameter approximately the same size as the bolts you will require. In order to explain this further, we are going to cut this hose into spacers which will separate the two pieces of plexiglass. The rubber must be able to be compressed, for this will allow you to exert more or less tension on your gaff to lock it in place.

The remainder of the list is easy: five round head bolts—preferably made of brass, with the appropriate nuts. the size desired is 1'' by 1/8''; a 3'' x 6'' piece of sheet brass is needed which will be used to secure the sheath to your belt.

Before proceeding with the intricate details of drilling the holes, let me briefly state what the assembly of these parts will be like. The two pieces of plexiglass will have five holes drilled through them into which the brass bolts will be placed. The rubber hose, cut into one-half inch washers will separate the two plastic pieces so that the gaff head can be slipped between.

The placement of the hole is of utmost importance. Since it is difficult to put in writing exactly what must be done, it might be a good idea to practice on a piece of wood before ruining too many pieces of plexiglass. Each gaff head can be a little different; therefore, the drilled holes will have to conform to your gaff.

The first two holes are drilled into the left side of the plastic which will act as a stop where the shaft of the gaff will rest when in place. Measure approximately three-quarters of an inch from the left edge and drill the holes one above the other, one inch apart.

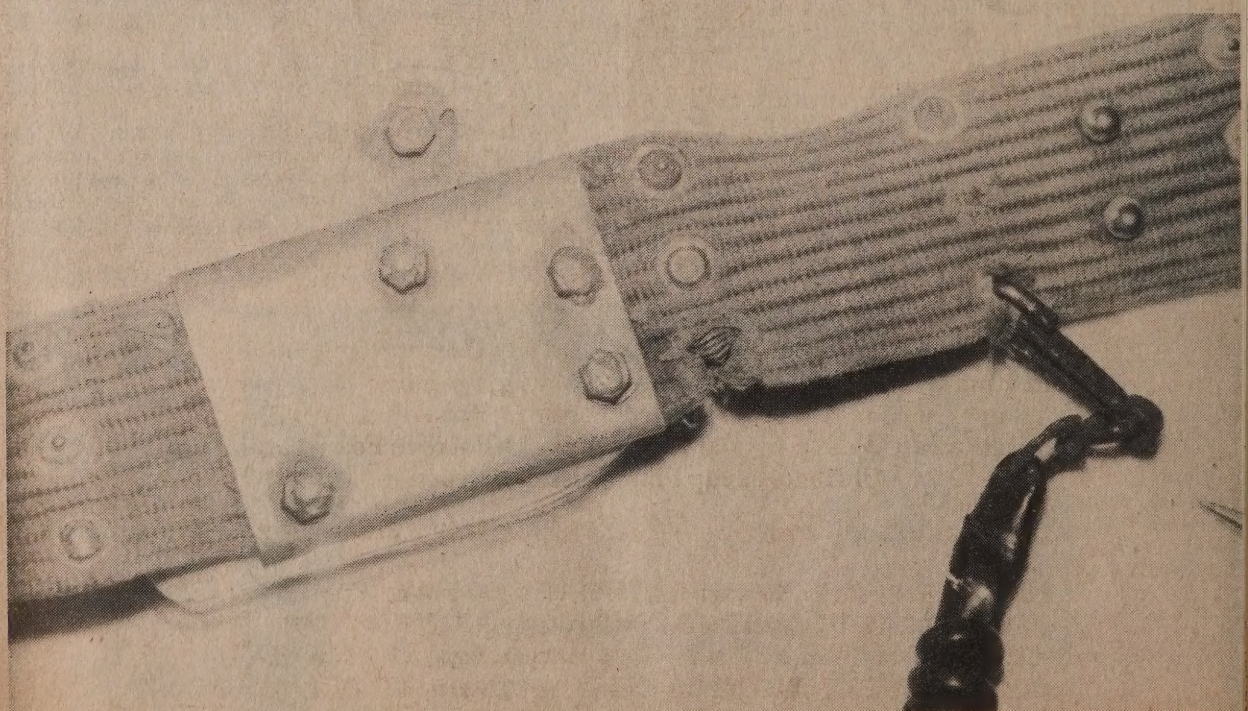
The single hole on the opposite or right side is the stop where the gaff point will rest, preventing the point from swinging too far and protruding below the sheath. Place the gaff on the plastic with the shaft lying on the outside of the two previously drilled holes. Mark where the point will rest but before you drill, remember to leave an extra one-half inch for the rubber spacers.

The next two holes are critical, for these are the holes that will hold the gaff in place. They must be positioned off-line, with the top hole slightly to the left, above and below the bend of the gaff. Allow sufficient space between these holes to permit the gaff to pass when the washers are in place. Remember that you will be tightening up on the bolts to compress the washers, so allow for this but not too far apart because the rubber should exert some pressure on the gaff in order to hold it in place.

When assembled, the point of the gaff passes between these last two holes and with a downward thrust of the point, the gaff will be locked into place.

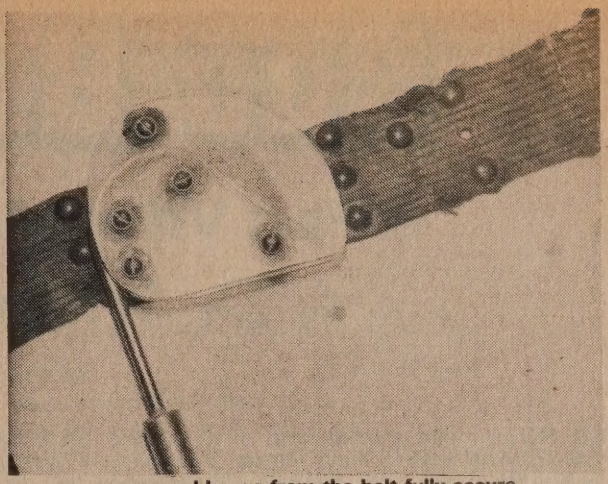
Tighten the bolts equally so that the gaff is securely held in place, but also permitting facile removal with one hand.

Now that the most difficult part is accomplished, you can round off the edges of the plexiglass for a neater appearance. A coping saw followed by a rasp and finally sandpaper will do the job nicely. Caution must be used against cutting back too far because the gaff point may protrude when the gaff is placed into the sheath. Mark the



The plastic sheath is secured to the belt with a brass plate and brass screws.

The gaff point enters the plastic sheath here...



...and hangs from the belt fully secure.

arc of the point with a pencil and leave one-half inch clearance to be safe.

Since the position of the holder on your belt will require you to replace the gaff using your sense of touch, a small notch can be cut in the outside edge at the place where the point should enter.

All that remains now is to secure the holder to your pistol belt. Take the brass plate and wrap it around your belt so that the side pressing against those precious waders contains no rough edges. This can be accomplished by placing one narrow edge of the plate on the outside of the belt, positioning this lip slightly below the top edge of your belt. Wrap the brass down around the bottom of the belt and back over the top so that the final edge is facing down and is on the outside of the belt underneath the gaff holder. Round off any sharp edges with tin snips and a file.

Now line up the gaff holder and mark the position of the bolts so that holes can be drilled through the plate and the belt to coincide with the holes on the sheath. After the holes are drilled and the rough edges are smoothed, remove the nuts and replace the bolts so that they stick out from the inside of the belt. Replace the nuts, making sure to re-adjust the tension on the gaff and cut off any excess bolt which could wear a hole in your waders. Once again, smooth with a file and sandpaper and you are ready for business.

Before venturing into action, practice the replacement of the gaff into the holder without looking. When you are waist deep in the pounding surf at night surrounded by bass, you do not want to be fumbling with your gaff trying to place it back into the holder. Every second counts and the sooner you are back in action, the sooner you'll enjoy the hard smash of an unseen bass.

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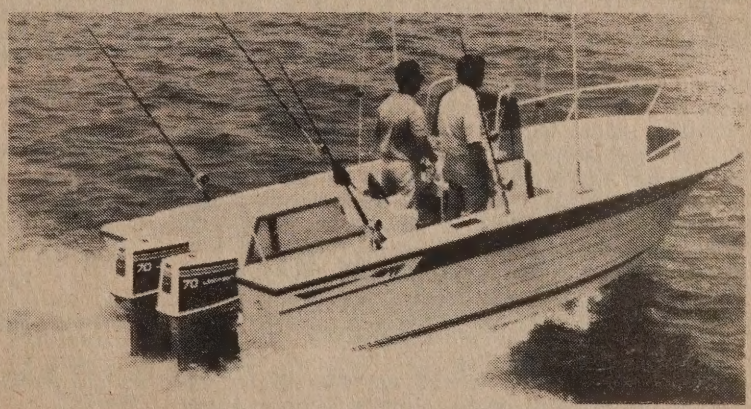

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ROD BUILDING

Part VII—*SAMPLE RODS*

by Dr. William A. Muller

ED NOTE: The author and THE LONG ISLAND FISHERMAN wish to thank George Valentine (of Winds Tackle Shop) and Dick Mermon (Shakespeare Co.) for their invaluable technical assistance in preparing this article.

The purpose of this last part in our series on rod building is to provide several examples of rods that can be made for a variety of purposes. The fisherman who decides to make a fishing rod may not be acquainted with the code numbers for guides, grips, tiptops, rod blanks, etc., so that purchasing these items may be difficult. A good solution to this problem can be had by visiting your local tackle shop. These men and women are professionals who know their business and they make their expertise available to their customers. All one has to do is ask. They will recommend an appropriate rod blank for the type of fishing that you do; they will then suggest the proper hardware and software that will help the rod to function at peak efficiency.

However, for the do-it-yourself rod builder who prefer to purchase parts from any one of a number of excellent mail order houses, the selection of parts may present some problems.

It might be wise if we covered a few basic concepts about the number and designation of parts before continuing with specific examples. In general, there are spinning and conventional categories for guides. When you purchase guides indicate that you wish to purchase either spinning or conventional guides. Reel seats come in diameter sizes; in one piece, two-piece for joined rods; locking and non-locking; heavy duty and regular. Grips are sold according to the diameter of the central opening and may be cork, neoprene, and fiber composition. Butt caps are sold specifically for that purpose, but simple crutch tips are excellent alternatives. The size of the cap or crutch tip refers to the diameter of the opening. Measure the diameter of the base of your rod after all grips and windings are applied so that you have an accurate measure. Then select the cap according to this size. If a tip or cap is not available in the exact size, select one that is slightly smaller because they do stretch and a more secure fit will be achieved if a cap is stretched over a slightly larger butt.

It should be possible for an angler to purchase rod building parts according to these parameters after a little experience. Although guide sizes refer to the diameter of the loop opening in millimeters, it is difficult to visualize the finished product from a list of millimeter sizes. When we have made a few rods, we become more familiar with code numbers and actual size relationships and the process of selection becomes much more simplified.

The following list of rods are examples of my personalized touch. Sizes and numbers of guides can be changed slightly without changing the quality of the product as long as basic and sound rod building practices are followed. You may want to change many of the items, and we should all be encouraged to do so. However, the information that follows can at least put us in the "ball park" so that we can avoid the mistake of using a 75 spinning guide when a number 20 is called for. On the

30-lb. Class Trolling Rod

Part	Conventional Size	#
Tiptop	14	1
Guides (Conventional)	16	1
	14	1
	12	2
Grips		
Neoprene Foregrip	9/16x6"	1
Medium Mahogany Butt		
Reel seat-double lock	15/16	1
Gimbal	Medium	1
Lamiglas shaft	30 lb. class	1
Shakespeare-Howald Process	12-0774 (#16)	
- Ugly Stick	12-0586 (#16)	
Fenwick	RT 6330	

Approximate Cost: $30-35.

7½ Ft. Medium Saltwater Rod *(Spinning)*

Tiptop	10	1
Guides (Spinning)	40	1
	30	1
	17	1
	12	2
Grips-		
Neoprene Foregrip	9/16x5"	1
Reargrips	1/2x5"	2
Reel Seat-friction	13/16"	1
Lamiglas Shaft	MB-84-2M	1
Shakespeare		
Howald Process	12-0753 (#7)	
Ugly Stick	12-0437 (#8)	
Fenwick	844	

Approximate Cost: $20-25

11½ Ft. Surf Rod *(Heavy Spinning)*

Tiptop	14	1
Guides (spinning)	75	1
	48	1
	30	1
	20	1
	17	1
Grips-		
Neoprene Foregrip	1x5"	1
	7/8x5"	2
Reel Seat-Friction	3/4" to 1" depends on placement	1
Lamiglas Blank	SB 136 3M	1

Approximate Cost: $40

7 Ft. Ultralight *(Spinning)*

Tiptop	5½	1
Guides (Spinning)	30	1
	20	1
	17	1
	12	1
	10	1
Grips-Neoprene-Foregrip	1/2x5"	1
Reargrips	3/8x5"	2
Reel Seat	3/4"	
Lamiglas Blank	FL-97-7F	
Shakespeare-Howald Process	12-0336 (6')	1
Ugly Stick	12-0630	
Fenwick	SP 844 (#7)	
	SP 846 (#6)	

Approximate Cost: $25

7 Ft. Bottom Fishing Rod (Cod—*Conventional*)

Tiptop	16	1
Guides (conventional)	16	1
	14	2
	12	1
Grips-		
Neoprene Foregrip	11/16x6"	1
Rear Grips	5/8x6"	2
Reel Seat-friction	15/16	1
Lamiglas Shaft	BT-85-75	1
Shakespeare-		
Howald Process	12-000 (#22)	
Ugly Stick	12-0437 (#8)	
Fenwick	BT-845 (#16)	

Approximate Cost: $21-26

other hand, a number 17 or 24 might be preferred by certain folks and these changes are not likely to infringe on functionality in most cases. Note that tiptop sizes fit Lamiglas blank, and adjustments will have to be made for other manufacturers blanks. Where possible, tiptop sizes appear next to manufacturers blank ( ).

9 Ft. Medium Action Saltwater Surf Stick *(Spinning)*

Tiptop	7	1
Guides (Spinning)	60	1
	40	1
	24	1
	14	2
Grips-Neoprene		
Foregrip	13/26x5"	1
Reargrips	3/4x5"	1
	11/16x5"	1
Reel Seat	15/16"	1
Lamiglas Shaft	MB-108-3M	
Shakespeare-Howald Process	12-0459 (#8)	1
Ugly Stick	12-0470 (#10)	
Fenwick	LB-1086 (#8)	

Approximate Cost: $30

In conclusion, I would like to say that it is the sincere wish of **The Long Island Fisherman** that the information given in this seven part series on rod building will help you to make a rod of your own. Furthermore, in reading about and thinking about the steps and methods of rod building you may develop a better understanding of the problems that must be addressed and then overcome by tackle manufacturers and local tackle shop craftsmen when they produce rods for us. Thus, the price of the finished product may seem high superficially, but has a way of growing smaller and smaller the deeper a fisherman becomes immersed in the rod building process.

We are sure that if you attempt to make a rod, you will produce a finished product that will provide you many enjoyable fishing hours, and will be a tackle item that you will have great pride in for many years. So, why not try it—you'll like it. Good luck!

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Where Are You?

Part Two—Using A Sextant

by Scott Simons

In Part One of this article we discussed the importance of knowing where you are on the water so that you will be able to return at a later date to a productive fishing spot. The simple, accurate, and cheapest method is knowing how to take a shore range. By lining up stationary objects on the shore line and using "triangulation," it's a simple matter to put your boat in the immediate vicinity of a bottom formation you wish to relocate. But no matter how great you are at taking ranges, they **do** have a few disadvantages that leave them wanting under certain conditions. First, you must have desirable land based objects to take your ranges with. If there aren't any prominent objects or there isn't any depth variance between the available objects, you have problems. And that telephone pole that you are lining up with a house may be a great range on a clear day, but what good is it on a hazy or foggy day when you can't see it? And let's face it—once you are two or more miles offshore and the shore line is being viewed through squinting eyes for clarity, ranges can be tough to use.

This is where the use of a sextant comes in. This marvelous device isn't any new-fangled electronics gadget, either—the sextant has been around since 1730, probably rating second only to the compass in longevity for instruments used for navigation. This is due largely to its simplicity of design and operation. In fact, the sextant has remained virtually unchanged since its American inventor Thomas Codfrey raised the first sextant to his eye more than 247 years ago, turned to his assistant Watson, and said "The dormitory, third window from the left."

There are so many advantages to using a sextant over other methods to plot your position on the water that I'll list some of them and go each one at a time as much as space permits.

ONE. ECONOMICAL—Sextants, others than those which can be considered toys, range in price from $100 up to $700 and beyond. Like most precision instruments, you get what you pay for. But for fishing related purposes, a model in the $300 price range is more than sufficient. Compare this with Loran sets that start at about $400 and aren't nearly as accurate under comparable conditions. Graph depth recorders/fish finders start at about $300, and if I had to make a choice between a graph recorder and a sextant, I would be hard pressed to make a decision I'd feel comfortable with.

TWO. NO INSTALLATION—One of the beautiful features of a sextant that also keeps the price down is that it doesn't require any mounting or installation. You don't have to do any wiring or mount antennas, making a sextant an ideal instrument for use on small tin boats and rowboats where room and dry storage is at a minimum.

THREE. PORTABILITY—A good sextant comes in a specially padded wooden box that can be tucked under one arm and carried on or off the boat. This means that you don't have to worry about it being ripped off at the marina, and also makes it easy to take it on another boat with you. If you fish often with a friend and you both own boats, there is no reason for you both to own a sextant—share one.

FOUR. NON-ELECTRICAL—Because a sextant doesn't need power to operate, you don't have to worry about getting the wiring wet from a wave in heavy seas that might put it out of commission, which is possible with a depth recorder or a Loran set. This is a safety feature of navigating with a sextant that can't really be appreciated unless you are confronted with an emergency situation.

FIVE. ACCURACY—The sextant is by far the most accurate instrument for finding your position on the water, including Loran A and C. While the best that Loran can do under optimum conditions is put you within roughly fifty feet of a known position, a sextant in the $300 price range will put you within fifteen feet of a known position, and the deluxe $700 models will put you within five feet or less! This means that if you are trying to find a bottom formation and are more than five feet away from it, the sextant will tell you. As all but the smallest of bottom formations are larger than five feet, this means the sextant will bring you right over the top of it every time. And you don't have to worry about how the atmospheric conditions will effect the readings you get, as you do with a Loran.

The one big advantage that Loran has over the sextant is its offshore capabilities. To use the sextant to locate bottom formations for fishing you must be able to see objects on the shoreline. But unlike shore ranges, you don't need to use objects that are at varied depths from the boat. Nor do you have to line up the objects as you do with a range. What you are actually doing with a sextant is establishing an angle between two objects. When you change your position by moving the boat, the angle between the two objects will also change, and it is this change that the sextant can measure. The angle between the two objects being used is established with a viewfinder which is in a fixed position and a mirror that is attached to a movable arm that is calibrated in degrees and minutes.

Let's see how the angle is established between two objects with a sextant using imaginary objects on the shoreline—say a tree and a telephone pole. First, look

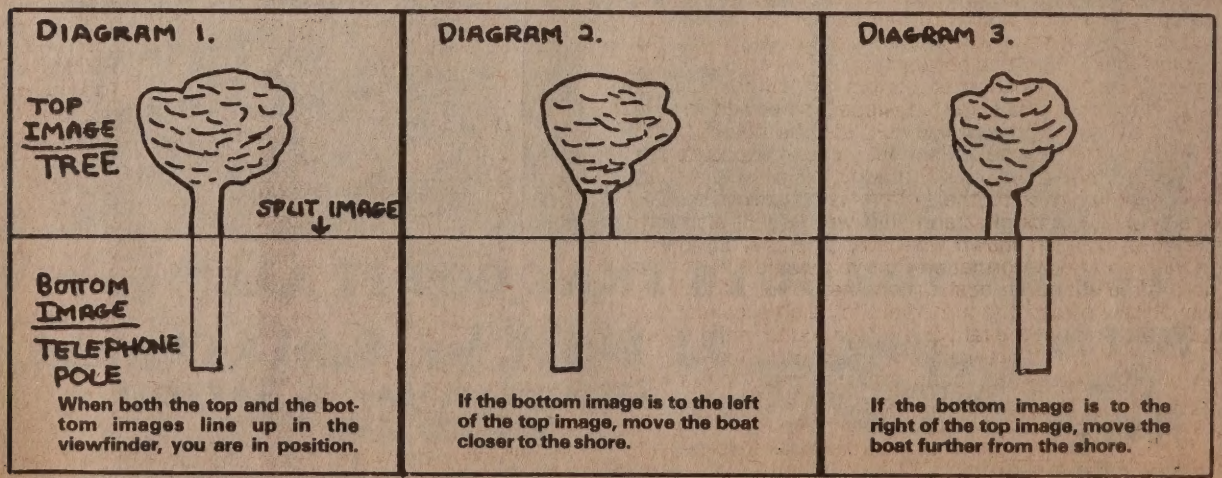


DIAGRAM 1.
TOP IMAGE TREE
SPLIT IMAGE
BOTTOM IMAGE TELEPHONE POLE
When both the top and the bottom images line up in the viewfinder, you are in position.
DIAGRAM 2.
If the bottom image is to the left of the top image, move the boat closer to the shore.
DIAGRAM 3.
If the bottom image is to the right of the top image, move the boat further from the shore.

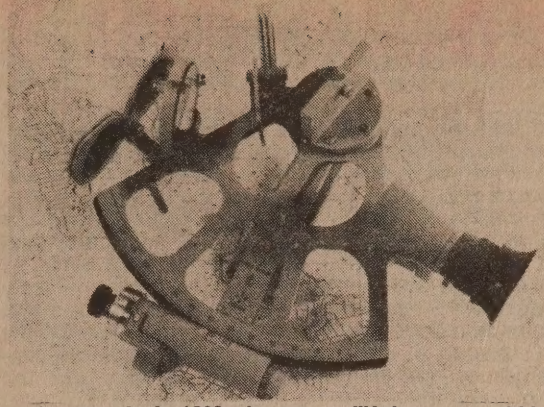
through the viewfinder and point it at the tree so that you can see it. The picture you will see in the viewfinder will be a split image. The top image will always be the object being viewed directly through the viewfinder, while the bottom image will be of the second object which is being reflected in the mirror. After you have the image of the first object on the top of the split image—in this case the tree—move the arm with the mirror until the telephone pole appears in the bottom of the split image. Then line up the trunk of the tree with the telephone pole so that they are in a straight line and appear to be one, as shown in diagram one. That's it! Now all you have to do is take the readings for degrees and minutes off the calibrated scales and write them down. This first angle will give you one "LOP" (line of position) of the bottom formation's location. Now you will have to take a second angle for a second LOP so that you can triangulate the exact position of the formation. Use a new object for the top image and the tree as the bottom image. Write down the readings.

The readings you have taken for the two angles will now enable you to find the bottom formation again in the future. Just get in the general area of the formation by running a compass course or using a shore range, then set the sextant to the readings for the first angle. Now get the tree in the top of the viewfinder, then look at the bottom image to see where the telephone pole is. If it is to the left of the tree trunk (as shown in diagram two), you must move the boat closer to the shore. If the pole is to the right of the tree trunk, you must move the boat away from the shore. Once you have maneuvered until the objects line up with the compass at the pre-set readings, change the readings to those for the second and repeat the process. When you are maneuvering to line up with the second angle, make sure you occasionaly check the first angle to make sure you haven't moved off it. When you have maneuvered the boat so that both the first and second angles line up at the pre-set readings you have relocated the bottom formation. The angles between the objects will never change, so you will be able to locate a hot fishing spot year after year. Make sure you keep a good record of the readings and draw a small diagram of the images and how they should appear in the viewfinder.

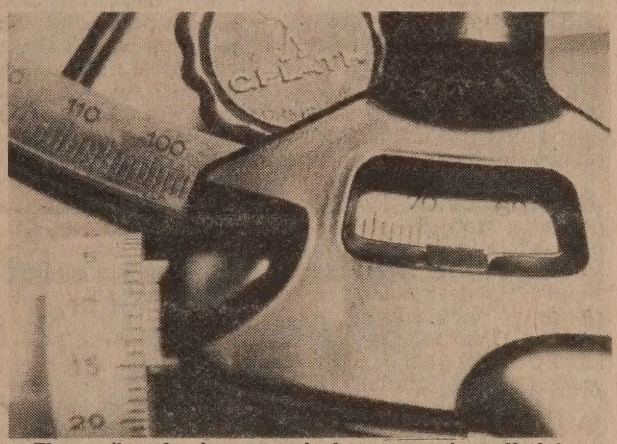
A second capability of the sextant now comes into play. Using the readings you have taken with a three-arm protractor and a nautical chart of the area, you can now plot the exact position of the bottom formation on the chart. From this information and a set of parallel rules you will be able to compute the compass course to the bottom formation from different starting points. After you have located several formations and plotted them on the chart, you can compute the compass headings from formation to formation, so you will be able to locate an unlimited number of formations in a short period of time without any time being wasted "searching" for a bottom formation.

A third function of the sextant, and perhaps its most important to the purposes of the fisherman, is its ability to plot the exact positions of bottom formations while sitting in the comfort of your home! All you need is the three-armed protractor and the nautical chart of the area in which you wish to locate bottom formations. A nautical chart has a wealth of information about water depths, bottom compositions and obstructions. The varying depths will tell you the location of bottom formations such as reefs, sand bars, shoals, ledges, slopes, holes and wrecks. The composition of the bottom will also be noted, giving you a tip-off to the type of fish that you can expect to find around the formation: rocky, muddy, kelp, shells, hard sand, even what color the bottom is. Obstructions like large boulders, rock piles and ship wrecks will also have their exact position shown whenever possible. So look at the chart and find a formation that you would like to fish. Photo three shows an obstruction that is located off the coast of New Jersey that turned out to be an excellent spot for big blackfish in the fall, and it was found while sitting at home during the previous winter. A formation such as this one can easily be found because the three-armed protractor allows you to measure the angles between objects on the shore and a bottom formation marked on the chart. The nautical chart shows prominent fixed land

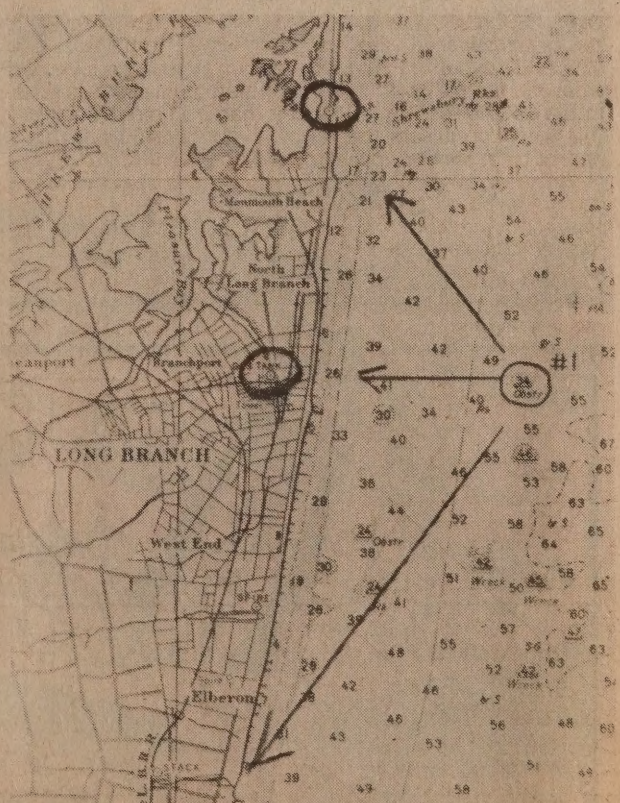
(Continued on next page.)



A sextant in the $300 price range will bring you to within fifteen feet of a known position.



The readings for degrees and minutes are taken off of the calibrated arm and drum of the sextant.



Using a three-armed protractor and a nautical chart you can plot the position of a bottom formation at home.

objects that are highly visible from the water and marks their **exact** positions. Objects such as radio towers, smokestacks, lighthouses, water tanks, tall buildings, windmills and other objects are shown so that navigators of ships and small boats can utilize them to establish their position by various means—including the use of the sextant.

To find the bottom formation shown in the photo, three prominent land-based objects marked on the chart were used to make two angles—a radio tower, a water tank, and a smokestack (which is not shown in the photo). The protractor is laid on the chart, and the bottom formation to be plotted is placed directly under the small hole in the center of it. The protractor has three arms, as its name would imply. The center arm is permanently attached to the protractor and the right and left arms can be moved, and each clear-plastic arm has a fine red line running through it. With the circle of the protractor over the center of the bottom formation, slowly turn the protractor until the line on the fixed center arm is directly over the middle land object, in this case the water tank. Now move the left arm of the protractor over left object (the smokestack) and the right arm's red line over the right object (the radio tower). Once all three lines are directly over the three objects and the circle of the protractor is over the center of the bottom formation, take the readings of degrees and minutes off the outside of the protractor. These readings are what you will set your sextant to when you are on the water actually locating the formation shown on the chart. Once you have found it, mark it with a buoy and take new readings with the sextant using objects you want to, because these readings will be a little more accurate than those taken off the chart.

As a final wind-up to this article, there is one other function of the sextant that I hesitate to mention because many may consider it to be playing "dirty pool." Suppose you have an eye on a fellow fisherman who really knows his stuff and catches good consistently. You probably figure that he is fishing a wreck or some other small formation that would be very difficult to find except by sheer luck or accident. But every time another boat tries to get close to our friend, he pulls anchor and moves before you can take a range on his position. If you had a sextant and knew how to use it, he'd be dead. Because you could plot his exact position within a few feet while your boat is several miles away. And the best part of it is that he wouldn't even know you were "borrowing" the location of the wreck from him. But naturally, that would be unsportsmanlike, so we would **never** do such a rotten thing, right?

Author's Note: The author would like to acknowledge the help he received in writing this article from Jens Jacobs of Nautical Service in New York. Fishermen who wish to learn more about the many uses of the sextant, can contact Jens by calling 516-757-7169 and he will be glad to help them out.

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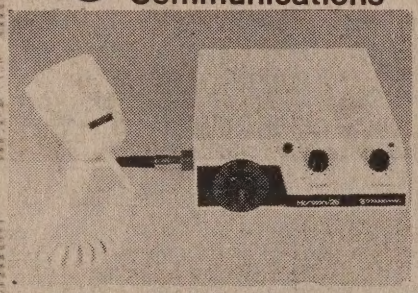

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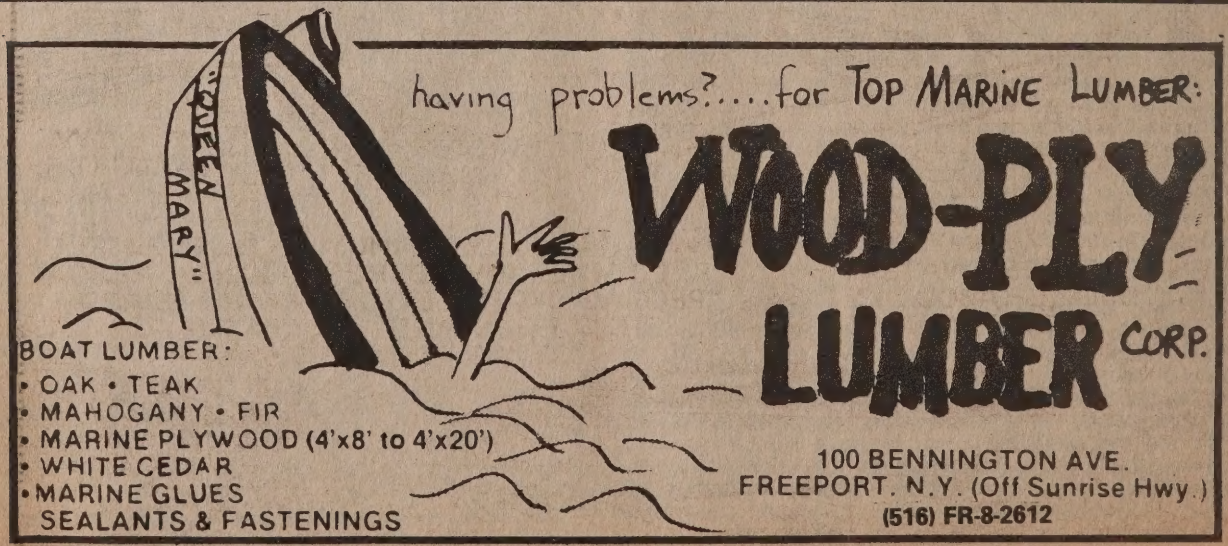


LINES ON CATFISH

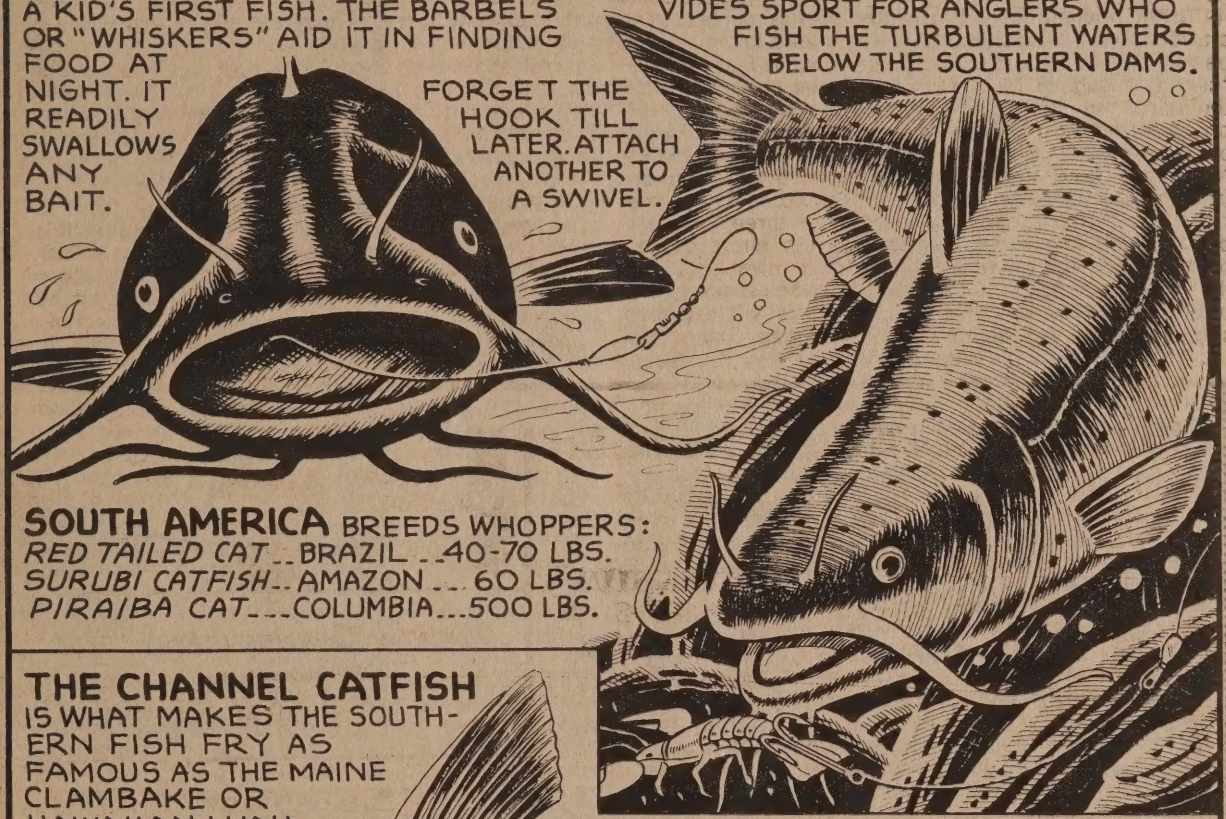
BY FRED GUARDINEER

SOME 700 SPECIES OF CATFISH ARE DISTRIBUTED AROUND THE WORLD. SOME NEVER GROW OVER TWO OR THREE INCHES. OTHERS ATTAIN WEIGHTS OF 100 LBS. AND UP. SOME HIT LURES AND JUMP LIKE TARPON OR MARLIN.

THE COMMON BULLHEAD IS IMPORTANT, GOOD EATING AND USUALLY A KID'S FIRST FISH. THE BARBELS OR "WHISKERS" AID IT IN FINDING FOOD AT NIGHT. IT READILY SWALLOWS ANY BAIT.

FORGET THE HOOK TILL LATER. ATTACH ANOTHER TO A SWIVEL.

THE 50 LB. BLUE CATFISH IS SOMETHING TO BRAG ABOUT AND PROVIDES SPORT FOR ANGLERS WHO FISH THE TURBULENT WATERS BELOW THE SOUTHERN DAMS.



SOUTH AMERICA BREEDS WHOPPERS:
RED TAILED CAT..BRAZIL..40-70 LBS.
SURUBI CATFISH..AMAZON...60 LBS.
PIRAIBA CAT...COLUMBIA...500 LBS.

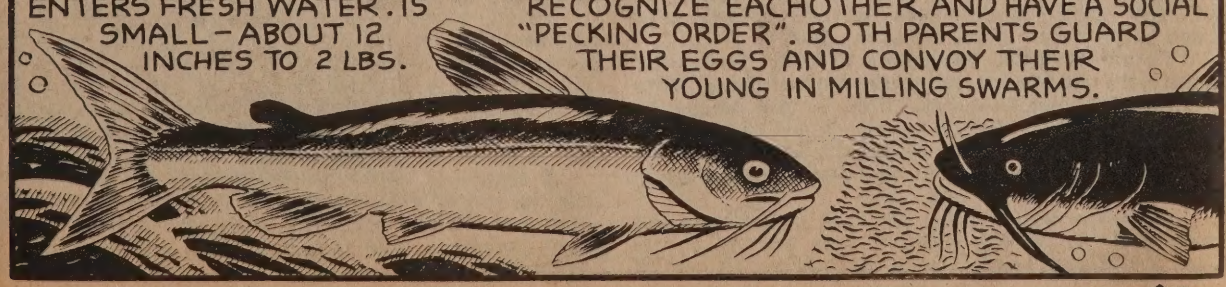
THE CHANNEL CATFISH IS WHAT MAKES THE SOUTHERN FISH FRY AS FAMOUS AS THE MAINE CLAMBAKE OR HAWAIIAN LUAU.

CHANNEL CATS OFTEN EXCEED 50 LBS.

THE SEA CATFISH IS COMMON ALONG THE SOUTHERN COAST OF THE U.S. IN SCHOOLS OF 100 OR MORE AND SOMETIMES ENTERS FRESH WATER. IS SMALL – ABOUT 12 INCHES TO 2 LBS.

RANKS WITH YELLOW PERCH AS TOP U.S. COMMERCIAL FISH.

BULLHEADS COMMUNICATE BY SMELL, RECOGNIZE EACHOTHER AND HAVE A SOCIAL "PECKING ORDER". BOTH PARENTS GUARD THEIR EGGS AND CONVOY THEIR YOUNG IN MILLING SWARMS.



Setting Up A Live Bait System

by Tim Coleman

In the last eight years, live bait fishing has been the most consistent producer of bass over forty pounds. If you take all the methods and compare them, live bait would emerge as number one. From Sandy Hook to Cuttyhunk live bait is the best route to a fish over forty pounds.

One of the fundamentals of live bait fishing is a workable system of keeping the bait alive until you get to the fishing grounds. To do this, you need a system comprised of the following parts: **1.** Some sort of holding tank; **2.** a small, but reliable pump; **3.** some sort of fast water pick-up mechanism, and **4.** tubing to transport the water to and from the tank.

The most effective live bait system is one where water is constantly circulating into the tank, whether the boat is in motion or at rest. Before we go any further, let's note the difference between circulation and aeration. Aeration is the introduction of air into a tank. Circulation is a constant change of water. The constant change keeps bait in superior condition because of increased oxygen and cooler water temperature in the tank. Aeration provides less oxygen per unit of time than circulation. Also, the lack of circulating water causes the temperature in the tank to rise. On a hot summer day, this increase will kill your bait.

In the early days of live bait fishing, fellows who are now pros with bait tried aeration. They found circulation via a small pump was much, much better. In some cases these master fishermen were fishing for a living with a rod and reel. They couldn't waste time with something that was second best. If those guys didn't catch fish, they didn't eat!

The first step in setting up a bait system for your boat is obtaining a tank. As live bait fishing increased over the years, so did the number of firms making these tanks. Today there are several places to purchase what you need. A partial listing of firms producing these tanks would include:

Marine Bait Saver
315 Jefferson Blvd
Warwick, R.I.

C&W Fiberglass
380 Main
Yalesville, CT. 06492

Caddy Company
57 Bayonne Ave.
Central Islip, NY 11722

Personally, I like a tank that is longer than it is high. The longer the tank, the more area your bait has for swimming. The more the bait moves around, the healthier it will be. The tank I liked the best was made by a fellow in Woonsocket, Rhode Island. The agent for this one-man manufacturing concern is Capt. Fred Gallagher, who can be reached at (401) 828-3455. The tank is made of Fiberglas to measurements of 40'' long x 24'' wide x 15'' high. The price included a twelve-inch hinged cover located in the center of the top of the tank.

This tank holds fifty-two gallons of water. Since water weighs eight pounds per gallon, the tank added an extra 416 pounds to the boat. At first, I tried the tank behind the console—this was no good. Even with tilt and trim, the 135 h.p. Johnson had to push the 19' Aquasport along too fast to get the hull up on plane. This meant excessive pounding on rough days.

The answer was moving the tank up between the console and the casting platform. The shifting of the weight admidships made a great difference. The motor didn't have to produce near the RPMs necessary for a decent ride on a lumpy day.

All the holes for fittings and a drain plug were drilled in the tank by a boat dealer who knew what he was doing. I would caution each and every reader to choose somebody well versed in this type of installation. If it's handled wrong, you will find a mell of a hess in your boat. On the other hand, I wouldn't recommend trying this type of installation yourself unless you have some prior experience. Please don't take offense at that remark. It is meant to save you grief. In the past, efforts by inexperienced anglers have resulted in a hodgepodge of mickey mouse work that failed miserably the first time it was put to the test.

As you are installing the tank, ask yourself will it move side-to-side while under way? If the answer is yes, you must come up with some method for securing it. The fellow who worked on my boat solved this problem by cutting out a couple of pieces of teak to the exact outside curvature of the tank. The teak was fastened to the deck with stainless steel screws. The tank was then placed in-between the teak where it would not move even in heavy seas.

As you position the tank, make sure you have enough clearance for all storage spaces. In the case of Aquasports, you'll have to make sure you're able to open the forward part of the console. Also make sure you drill the hole for the drain plug high enough so you can drain the tank once it is set firmly in place.

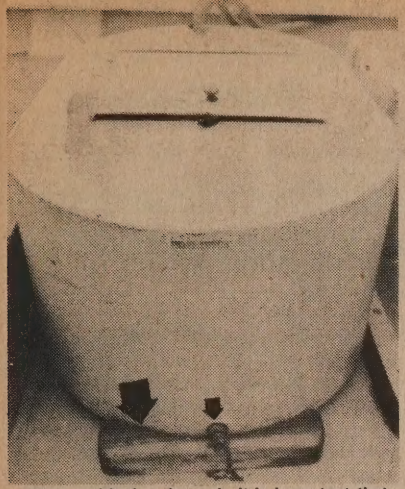
Once the tank is in position, you must make provisions for the flow of water. There are three basic steps to follow. Number one is the installation of a pump for pumping water when the boat is at rest. Number two is some type of fast water pick-up for getting water into the tank when the boat is moving. Number three is an overflow hose to remove water from the tank.

Each of the photos supplied with this article have been labeled as to their purpose. For instance, anything labeled number one would be a component for the flow from the pump. Number two would be a component of the fast water pickup and number three would be a part of the overflow.

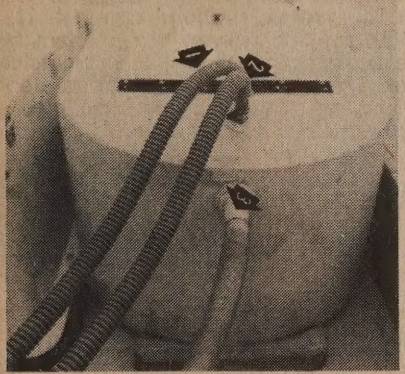
Before we take a look at the three parts, we need a word or two about the pump. There are several small pumps on the market that have proven themselves for live bait fishing. Among these are the Rule 500 and the Mini King. These are fine for the man who isn't solely interested in live bait. The Rule will pump 500 gallons per hour and isn't that expensive. However, if your aim is extensive use of bait, I would recommend something bigger such as the Rule 1300. This one pumps 1300 gallons an hour. It is the better choice for keeping large numbers of bunker alive on hot days. A pump of this sort is also the wise choice for keeping mackerel alive.

Most anglers install the pump on an L-shaped piece of stainless steel. The vertical part of the L is fastened to the transom below the waterline. The pump is fastened to the horizontal piece of the stainless. I found the most convenient place for the pump switch is right on the console next to the other switches. That way it is within easy reach of the operator of the boat.

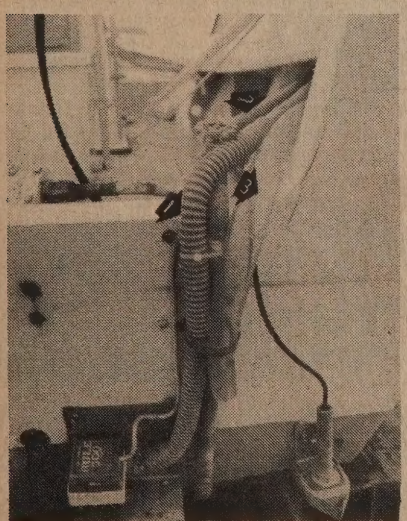
A section of one inch hose or tubing should work nicely for connecting the pump to your tank. Since my tank is forward, I didn't want the hoses laying on the deck where somebody could trip over them. Consequently, I had the hoses run up to the tank underneath the gunwale.



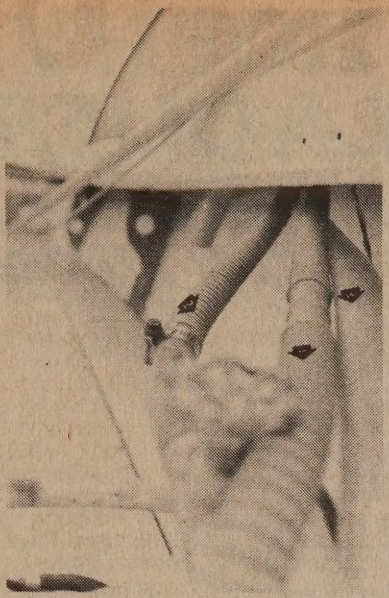
When positioning the tank, it is important that you secure it from moving side to side. The large arrow points to teak cut to the curvature of the tank and fastened to the deck with stainless steel screws. This piece and another one on the other side of the tank keep it from shifting. The small arrow points to the drain plug. Make sure you can drain the tank once it is securely in place.



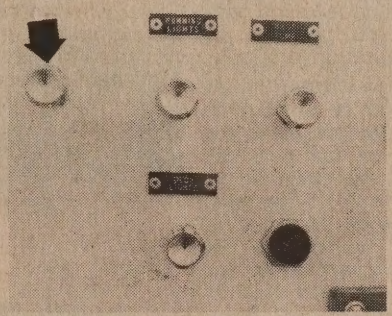
Arrow Number One points to the fitting and the hose for the water coming in from the pump. Arrow Number Two points to the hose and the fitting to handle the water coming from the fast water pick-up. Arrow Number Three points to the fitting and the clear tubing used for the overflow that drains water out of the tank, thus ensuring constant circulation.



Arrow Number One points to the hose coming from the pump. Arrow Number Two points to the hose coming from the fast water pick-up. Arrow Number Three points to the tubing used for the overflow.



Arrow Number One points to the hose coming from the pump up under the gunwale and going up to the tank. Arrows Two and Three are for the fast water pick-up and the overflow, which are also run up under the gunwale.



The black arrow points to the switch on the console used to start the pump.

This is the L-shaped extension of the fast water pick-up. The forward motion of the boat forces water into the pipe, up the hose and finally into the tank. Thin-walled, 3/4 inch copper or PVC pipe is fine for this job.

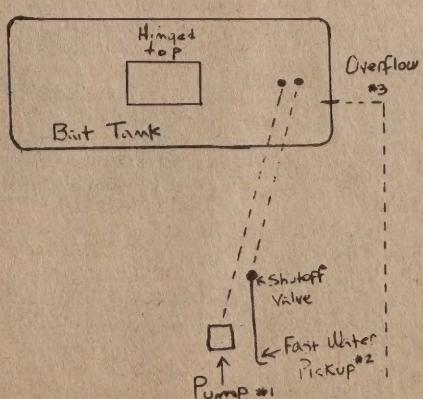


Diagram #1—This shows the components of the bait systems described in the article.

The hose was secured to both the fitting on the tank and the pump with stainless steel clamps.

The next step in the installation is the fast water pick-up. This mechanism picks up water forced into it by the forward motion of the boat. There are several ways to go about this. The most popular way is with a piece of thin wall, three-quarter inch copper or PVC pipe. The piping has an L-shaped arm on one end. The mouth of the L piece extends down under the transom and points up toward the bow of the boat. Forward movement of the boat forces water into the mouth of the L extension, up the tubing, into the hose and from there into the tank.

There will be times when you won't want water coming through the pick-up. A shut-off valve mounted on the other end of the pipe takes care of that aspect of the system. The hosing from the valve to the tank was also run up to the tank under the gunwale to keep it out of the way. This length of hose was also fastened to the valve and the tank fittings with stainless steel clamps. Like the hose from the pump, quality hose of one inch diameter should work well.

The third component of the system starts from the tank to the stern instead of vice versa. This is number three—the overflow. You will probably want the fitting for this hose mounted on the side of the tank close to the top. Placing the fitting near the top of the tank ensures full capacity. If for some reason you only want the tank to fill halfway, place the fitting halfway down the side.

To ensure good, steady circulation, I suggest using hosing slightly larger than that used for both the pick-up and the pump. If you used one inch for those two, use inch-and-a-half for the overflow. Instead of hosing, I used clear tubing so I could see at a glance how the flow of water was going. This tubing runs to the stern underneath the gunwale. It comes out where the first two went in. From there it extends over the transom so the water can go back to where it came from. When you reach this point, your live bait system is complete.

Like any other thing in today's world, it "ain't cheap." Depending on where you purchase your materials and how much you pay for the work, a good bait system will set you back anywhere from $100 to $300. However, once it is installed, it will serve you well for several seasons. The only item which will probably need seasonal replacement is the pump. That's a small investment considering all the fish you can catch with live bait.

If you start the job with quality materials, then make sure someone competent does the work—then more than likely you will end up with a useful product. That is the way you want to approach the installation of a bait system in your boat. Taking the time to see everything is top quality and done correctly in the beginning will save a lot of lost fishing time in the end.

★★★★★★★★★★
HOW-TO SPECIAL FEATURE
★★★★★★★★★★

TROPHY PLAQUES

In this corner:

Paul Rosendahl

Sooner or later every fisherman catches a trophy fish. It may be a 500 pound marlin, a forty pound bass or a six-ounce snapper. Especially for the young anglers, a fish doesn't have to be very big to be memorable.

Now, few of us have the money to go running off to the taxidermist to have a three pound fluke mounted for Junior—not at today's prices. When you get right down to it, how many of us grown-ups can afford to preserve any of our own trophies? A fish that isn't an IGFA record can still be worth more than just a memory. Photos are fine as far as they go, but even the best pictures usually fail to convey the feeling of a fish's true size.

A wooden trophy plaque, nicely finished, is one of the most attractive ways to "immortalize" your catch. When I was a kid, they were quite common all around the Island—most tackle shops and boat liveries seemed to have a few hanging up behind the counter. For some reason, these plaques have fallen out of style in the last few years—don't ask me why! They're quick and easy to turn out and make a handsome decoration.

The first step in making a trophy plaque is to get the fish...figure that one out on your own. Once you've gotten the fish home, you have to select a piece of wood for the plaque. You can use either thick or thin wood. I prefer to save scraps of paneling or mahogany plywood, but others use something on the order of one inch thick white pine. Both are good, so take your choice. The plaque in the accompanying photos was made from 5mm luan plywood.

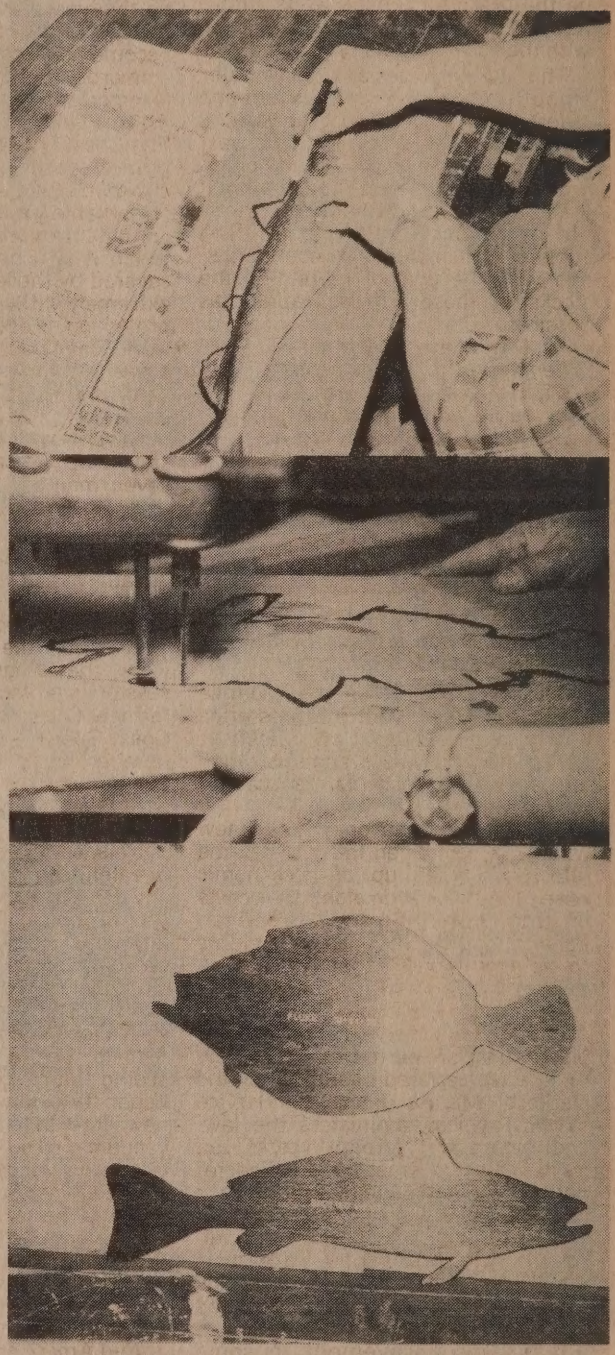
To transfer the shape, just slap your fish down on the back of the wood and trace its outline with a felt-tip pen or a soft pencil. If you want to be a bit fussy, you can trace the fish's outline on a cardboard template, then transfer the shape to the wood—but that's usually more trouble than it's worth. A little slime and blood can only add an authentic aroma to your creation. However, cardboard templates are useful if you want to capture the fish's outline at once and do the rest of the work during the slack winter months. Once the outline is traced, wipe the board clean and take a minute to correct the outline and add any minor details.

Now you're ready to start cutting. This can be done with a coping saw, a jigsaw, or a saber saw. The coping saw can create the best details, but is a lot more tiring and time-consuming than its electric cousins. If you're using pre-finished paneling scraps or wood with only one good side, keep that side **down** when cutting with a power saw. This prevents splintering of the good surface.

When the outline is cut out, go over it with a fine file or rasp to smooth out the saw cuts and touch up any little details such as the scalloping of a dorsal fin. Once this is done, the plaque is ready to finish.

Finishing can be as plain or fancy as you like. Your plaque can be shellacked, stained and varnished, or even painted some outrageous color. (Why **not** a purple fluke?) I prefer to use plain varnish most of the time. Start by sanding the plaque very carefully, then apply several coats of the finish, sanding lightly between coats. If you plan to add any lettering such as the fish's weight, when and where it was caught or your name, the surface must be absolutely smooth and free of grain.

If, like me, you're no great freehand artist, you should check out a product called "Prestype." This consists of sheets of letters which are available in various sizes, styles and colors. To use it, you simply line up the letter you want and rub the back of the sheet. This transfers the letter to your plaque. Line up and repeat for each letter. This product allows even a terrible artist to turn out professional-looking lettering. A last coat of varnish adds extra protection. You can also do a pretty good job with a broad tip felt marker if you have some artistic talent to begin with.



Most of us don't have the time or inclination to attack this sort of project during the summer. I know that I prefer to spend my time fishing. The way to avoid this is to do only the tracing, either on a cardboard template or the wood itself, when you catch your fish. Then you can save the rest of the job to work on during those long winter nights.

200 Mile Limit— *It's working for you!*

This is *not* a fish story. This is a story about fish. But it is a true story, and one of considerable importance to you and to your future. It is a report on the first year's experience with a new approach to man's relationship with the ocean and its vital resources.

This story involves an area of water amounting to 2.5 *million square miles*, almost two-thirds the size of the entire United States! This vast area has become an American fishing ground, administered by the United States Government under the principle of conserving the dwindling supplies of fish within its boundaries, and with the goal of rebuilding the stocks of those fish as rapidly as possible.

Congressman Norman F. Lent, Fourth Congressional District, New York, was one of the original sponsors of the 200-Mile Limit Law, introducing the legislation shortly after beginning his first term Congress in 1971. He is a member of the Merchant Marine and Fisheries Committee which worked on the legislation. The original bill, H.R. 200, was signed into law April 13, 1976, and went into effect March 1, 1977.

The story centers on the 200-mile limit law, which went into operation nearly one year ago, on March 1, 1977. The first year's administration of that law has been more successful than expected.

One year ago no one quite knew what to expect when the law became effective. It set up an "economic zone" 200 miles wide along the coasts of the United States. American fishermen are given exclusive rights to all fish found within that zone, except certain highly migratory species like the tuna. Within the 200-mile limit, fishermen from foreign nations are permitted to fish only for species declared in surplus by the National Marine Fisheries Service (NMFS) which administers the law, and before any foreign vessel can start fishing, it must have a Federal permit. Each fishing boat can take only the amount set by the NMFS.

These early restrictions have already produced some dramatic effects. Foreign fishing off our coasts has been reduced by an estimated thirty percent. There has been a noticeable improvement in some stocks of fish in the Northeast Atlantic, particularly in cod and haddock—two of the most popular food sources.

To assist in this conservation and rebuilding effort, eight regional councils authorized by the 200-mile limit law are preparing Fishery Management Plans for each fishery in each council area.

Now, some Fishery Management Plans already are in operation for some species: cod, haddock, yellowtail flounder, Pacific salmon and surf clams. Others are in preparation, and during 1978 more and more management plans will be put into effect.

As a result, we hope and expect to see a steady replenishment of the overfished species, although it may be five years or more before the full benefits of the conservation measures become apparent.

In order to get these full benefits, it is important that the Fishery Management Plans are properly enforced. The Coast Guard has been given the prime responsibility for policing the 200-mile economic zone. It has done a remarkable job during this first year considering the handicaps under which it is working. The ocean area covered by the law is so vast that it is extremely difficult to provide proper protection. Federal officials hope to work out agreements with coastal state agencies to assist in the enforcement so that the maximum conservation can be achieved.

Nevertheless, the Coast Guard has shown its effectiveness. In the first seven months under the law, more than one thousand foreign fishing vessels were boarded. Almost one-third—some 300—were cited for violations of the 200-Mile Limit Law. More than half a million dollars in fines were collected.

To assist the Coast Guard in its work, the Congress during the 1977 session voted an additional $7 million for new Coast Guard equipment. The Coast Guard is experimenting with a number of advanced detection and patrol techniques, including the use of high speed hydro-foil vessels, long range side-looking radar for aircraft patrols, computers, and possibly, use of satellites.

With the help of these new techniques, enforcement should improve. However, even with the present limited enforcement, it is clear that the law is accomplishing its main goals: preventing overfishing and allowing the depleted stocks of fish to begin rebuilding. We are seeing the reversal of a trend which began fifteen years ago when huge new foreign fishing vessels began vacuum-cleaner-type operations in traditional American fishing grounds.

The United States is the first major nation to institute such a far-reaching conservation program for its coastal marine resources. We are making a major commitment to sensible moderation in use of one of the world's most precious resources.

And Americans have greater assurance of a dependable source of nutrition. The resources of the seas along our coasts can provide a continually renewable and reasonably priced source of nutrition, with the protection and conservation of those resources.

We Americans should take pride in such a pioneering effort in conservation.

"On Reynold's Channel, Lawrence—
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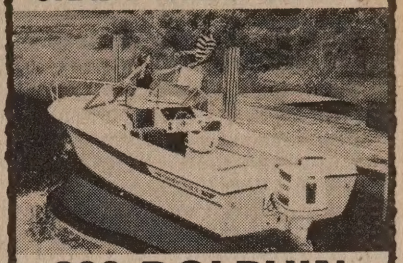

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SOUTH SHORE Fishing Report

MONTAUK

Capt. Paul Forsberg of the **Viking Starship** tells us that Saturday's trip to Block Island for cod saw a decent catch over the rail (heated) and hit the deck (also heated). Fish averaged 8 to 10 lbs., and most fares had in the vicinity of six to seven fish per man. A small set-line put out nearby brought 36 more cod up, all basically the same size. Sunday's trip was off from Saturday's, but it still appears that Montauk right now is the place to find cod if that's what you're after.

CAPTREE

A short clarification on last week's report—Capts. Neil and Walter of the charter Boat **Lady Ann** are adding a second boat to their fleet. The Lady Ann is remaining at Captree and their second boat will be the open bay boat sailing from Bay Shore.

The Captree flounder fleet will probably be starting around the second week of March on their annual spring pursuit of flounders. In any case, early March will see the flounder pounding begin. Much of the ice has been breaking up and flowing out with the tide which should be giving the sun a chance to warm the water a bit and get the flatties started.

LINDENHURST

Capt. Tom Burke of the open boat **Sea Horse** called to say that he will begin flounder fishing on Saturday, March 11, 1978.

N.Y. BIGHT Fishing Report

FREEPORT

Marty Dumbrowski of **Dockside Luncheonette** on Woodcleft Canal tells us that cod have been taken out of Fire Island Inlet by set-liners this past week and that roughly four miles off the beach due south of the inlet a dragger has taken a fair trawl on cod. This was verified by Capt. George Tweedy of Captree's **Capt. Scotty**, but

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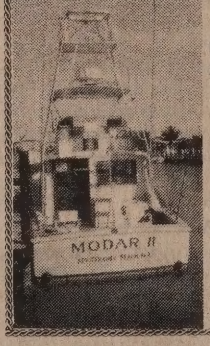

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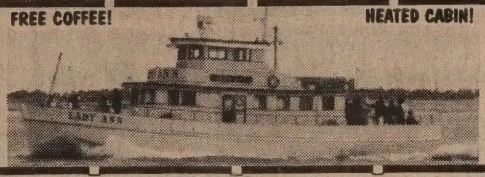

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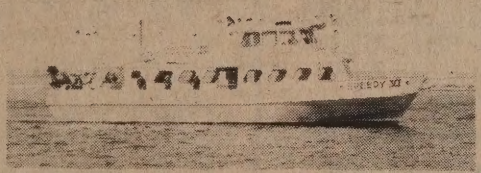

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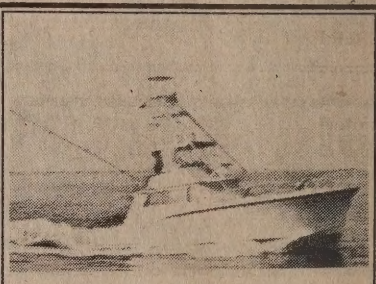

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NATIONAL SCENE

(Continued from page 10.)

garbage dump. The taxpayers even pick up the bill for the administrative costs. Forsythe proposes that fees be charged that will not only pay these administrative costs, but will also make up the difference between the cost of dumping at sea and disposing in ecologically-sensible ways (such as for fertilizing) on land. Instead of letting the cities spend millions on bigger barges and more fuel, Forsythe's Ocean Dumping Amendment Act would provide funds to develop means for intelligent disposal of sludge on land and create the monetary incentive to force municipalities to stop using the sea as a garbage dump prior to 1981. It deserves consideration by all concerned with this problem.

Fortunately, the EPA has, so far, stuck by the 1981 cut-off date. The Mid-Atlantic Fishery Management Council has been urging that EPA take action to ensure that progressive steps are taken to comply with the cut-off date. The problem here is that New York City, or any other municipality, may just arrive at the cut-off date and say they haven't the money to comply. What could an administration that is already supporting them in many ways do under those circumstances? So far, EPA is sticking to their guns and requiring proof of progress. If we all keep the pressure on, our seas may be a good deal cleaner in the near future.

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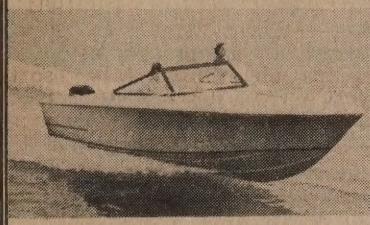

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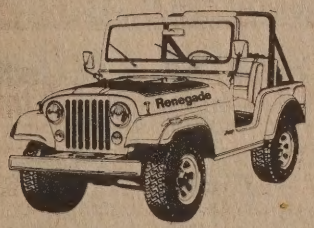

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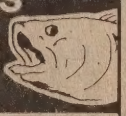

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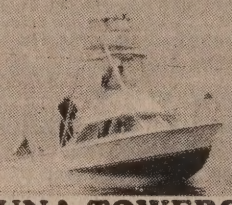

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he added the fact that even the set-lines and trawls are not consistent on a day to day basis.

Calls to the **Starstream II** and the **Capt. Al**, informed L.I.F. that because of the threat of more of the white stuff most people did not come out to fish this weekend. Improvement should be seen this next week. Dottie Berkowitz of the Starstream II reported that the set-liners and netters have been taking cod off of Fire Island and that the boat will most likely try this area during the next week.

SHEEPSHEAD BAY

The New Eagle reported good whiting fishing southeast of the BA buoy. It was a constant pick all day and most fishermen took home a nice bag of these fish.

The **Atomic II** told of whiting in good amounts being taken about 12 miles south of the BA buoy. Catches from 15 to a bushel were had over the weekend.

The Long Island FISHERMAN

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